

**ABSTRACT**

System for enhancing the hearing of certain sounds, the system including an electro-acoustic transducer for producing sounds in the vicinity of an ear, according to signals provided thereto, and a  
5 compensatory signal generator coupled with the electro-acoustic transducer, the compensatory signal generator producing a compensatory signal, according to at least a portion of a compensatory waveform, the compensatory waveform being determined according to ear otoacoustic  
10 hearing, the compensatory signal generator providing the compensatory signal to the electro-acoustic transducer.